

NEWS 22 SEP 24 EMBASE, EMBAL, and LEMBASE reloaded with enhancements
NEWS 23 OCT 02 CA/CAPLus enhanced with pre-1907 records from Chemisches
Zentralblatt
NEWS 24 OCT 19 BEILSTEIN updated with new compounds
NEWS 25 NOV 15 Derwent Indian patent publication number format enhanced
NEWS 26 NOV 19 WPIX enhanced with XML display format

NEWS EXPRESS 19 SEPTEMBER 2007: CURRENT WINDOWS VERSION IS V8.2, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 19 SEPTEMBER 2007.

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS LOGIN	Welcome Banner and News Items
NEWS IPC8	For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

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FILE 'HOME' ENTERED AT 10:41:30 ON 28 NOV 2007

FILE 'REGISTRY' ENTERED AT 10:41:39 ON 28 NOV 2007
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STRUCTURE FILE UPDATES: 27 NOV 2007 HIGHEST RN 956075-61-9
DICTIONARY FILE UPDATES: 27 NOV 2007 HIGHEST RN 956075-61-9

New CAS Information Use Policies - enter HELP USACETERMS for details

TSCA INFORMATION NOW CURRENT THROUGH June 28, 2007

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<http://www.cas.org/support/stn/gen/stndoc/properties.html>

=> logoff hold
COST IN U.S. DOLLARS
SINCE FILE ENTRY SESSION
TOTAL
SESSION
0.45 0.66
FULL ESTIMATED COST

SESSION WILL BE HELD FOR 120 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 10:41:48 ON 28 NOV 2007

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1623PAZ

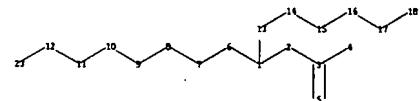
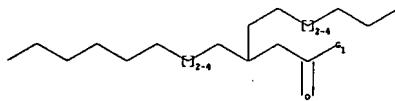
PASSWORD:

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *
SESSION RESUMED IN FILE 'REGISTRY' AT 10:49:35 ON 28 NOV 2007
FILE 'REGISTRY' ENTERED AT 10:49:35 ON 28 NOV 2007
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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.45	0.66

=>

Uploading C:\Documents and Settings\PZucker\My Documents\Examination Auxillary files\10587395\10587395 clm 4.str



chain nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 23

chain bonds :

1-2 1-6 1-13 2-3 3-4 3-5 6-7 7-8 8-9 9-10 10-11 11-12 12-23 13-14
14-15 15-16 16-17 17-18

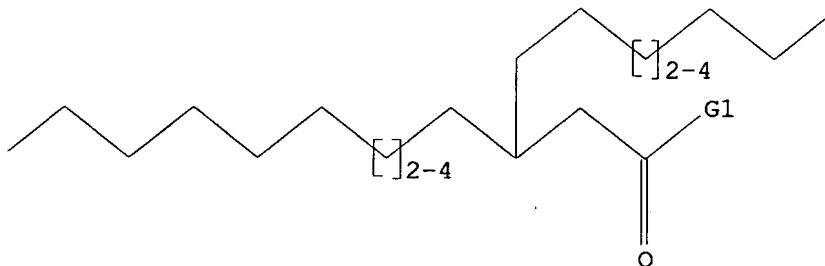
```
exact/norm bonds :  
3-4 3-5  
exact bonds :  
1-2 1-6 1-13 2-3 6-7 7-8 8-9 9-10 10-11 11-12 12-23 13-14 14-15 15-16  
16-17 17-18
```

G1:H,O

```
Hydrogen count :  
1:>= minimum 1 2:>= minimum 2 6:>= minimum 2 7:>= minimum 2 8:>= minimum 2  
9:>= minimum 2 10:>= minimum 2 11:>= minimum 2 12:>= minimum 2 13:>= minimum 2  
14:>= minimum 2 15:>= minimum 2 16:>= minimum 2 17:>= minimum 2 18:>= minimum 3  
23:>= minimum 3  
Match level :  
1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS  
10:CLASS 11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS  
18:CLASS 23:CLASS
```

L1 STRUCTURE UPLOADED

```
=> d 11  
L1 HAS NO ANSWERS  
L1 STR
```



G1 H,O

Structure attributes must be viewed using STN Express query preparation.

```
=> search 11 sss sam  
SAMPLE SEARCH INITIATED 10:50:01 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED - 47773 TO ITERATE  
  
4.2% PROCESSED 2000 ITERATIONS 0 ANSWERS  
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)  
SEARCH TIME: 00.00.01  
  
FULL FILE PROJECTIONS: ONLINE **COMPLETE**  
BATCH **COMPLETE**  
PROJECTED ITERATIONS: 942414 TO 968506  
PROJECTED ANSWERS: 0 TO 0
```

L2 0 SEA SSS SAM L1

```
=> search 11 sss full  
FULL SEARCH INITIATED 10:50:09 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 950516 TO ITERATE
```

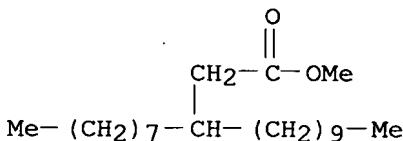
100.0% PROCESSED 950516 ITERATIONS
SEARCH TIME: 00.00.08

10 ANSWERS

L3 10 SEA SSS FUL L1

=> d scan

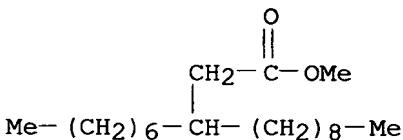
L3 10 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN
IN Tridecanoic acid, 3-octyl-, methyl ester (9CI)
MF C22 H44 O2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

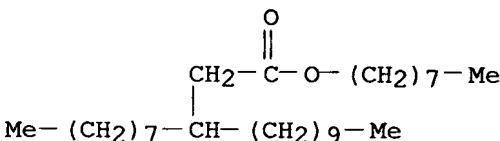
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):10

L3 10 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN
IN Dodecanoic acid, 3-heptyl-, methyl ester (9CI)
MF C20 H40 O2



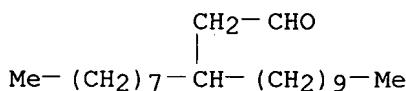
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 10 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN
IN Tridecanoic acid, 3-octyl-, octyl ester
MF C29 H58 O2



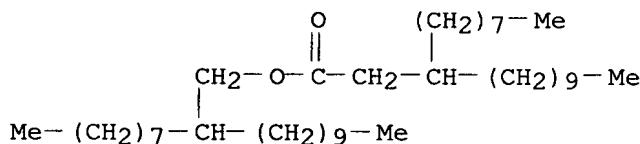
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 10 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN
IN Tridecanal, 3-octyl-
MF C21 H42 O



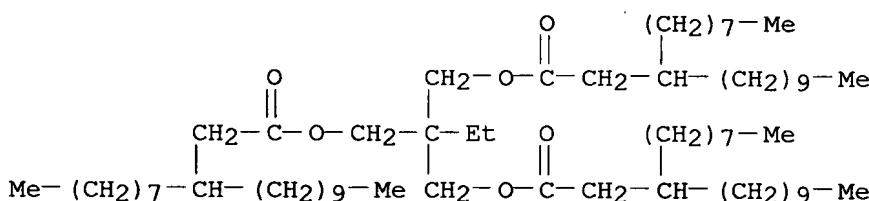
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 10 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN
 IN Tridecanoic acid, 3-octyl-, 2-octyldodecyl ester
 MF C41 H82 O2



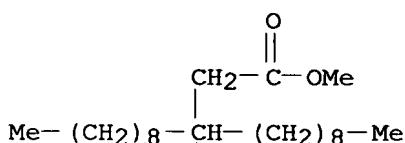
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 10 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN
 IN Tridecanoic acid, 3-octyl-, 2-ethyl-2-[(3-octyl-1-oxotridecyl)oxy]methyl]-1,3-propanediyl ester (9CI)
 MF C69 H134 O6



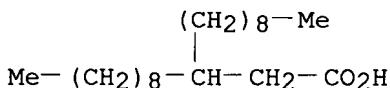
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 10 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN
 IN Dodecanoic acid, 3-nonyl-, methyl ester
 MF C22 H44 O2



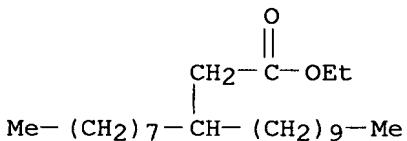
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 10 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN
IN Dodecanoic acid, 3-nonyl-
MF C21 H42 O2



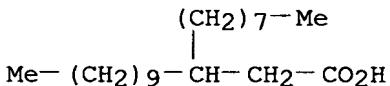
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 10 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN
IN Tridecanoic acid, 3-octyl-, ethyl ester (9CI)
MF C23 H46 O2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 10 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN
IN Tridecanoic acid, 3-octyl- (9CI)
MF C21 H42 O2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	172.55	172.76

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FILE LAST UPDATED: 27 Nov 2007 (20071127/ED)

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=> 13

L4 7 L3

=> d 14 1-7 ti

L4 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN
TI Preparation of carbonyl compounds containing long-chain branched alkyl group

L4 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN
TI Radically-polymerizable branched monomer and high-contrast liquid crystal display therewith

L4 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN
TI Synthetic studies on sialoglycoconjugates. 88. Synthesis of ganglioside GM3 and GM4 analogs containing 2- or 3-branched fatty-alkyl residues in place of ceramide

L4 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN
TI Hair cosmetic composition containing fatty acid esters and aromatic alcohol and cationic surfactants

L4 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN
TI Hair preparations containing glycol ethers, cationic surfactants, and fatty acids

L4 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN
TI Hydrocarboxylation of single crosslinked α -olefins

L4 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN
TI New pathways in branched acids, isomers of normal saturated fatty acids

=>

Uploading C:\Documents and Settings\PZucker\My Documents\Examination Auxillary files\10587395\10587395 narrowest clm 4.str



```

chain nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 23
chain bonds :
1-2 1-6 1-13 2-3 3-4 3-5 6-7 7-8 8-9 9-10 10-11 11-12 12-23 13-14
14-15 15-16 16-17 17-18
exact/norm bonds :
3-4 3-5
exact bonds :
1-2 1-6 1-13 2-3 6-7 7-8 8-9 9-10 10-11 11-12 12-23 13-14 14-15 15-16
16-17 17-18

```

G1:H,O

```

Hydrogen count :
1:>= minimum 1 2:>= minimum 2 6:>= minimum 2 7:>= minimum 2 8:>= minimum 2
9:>= minimum 2 10:>= minimum 2 11:>= minimum 2 12:>= minimum 2 13:>= minimum 2
14:>= minimum 2 15:>= minimum 2 16:>= minimum 2 17:>= minimum 2 18:>= minimum 3
23:>= minimum 3
Match level :
1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS
10:CLASS 11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS
18:CLASS 23:CLASS

```

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STRUCTURE FILE UPDATES: 27 NOV 2007 HIGHEST RN 956075-61-9
DICTIONARY FILE UPDATES: 27 NOV 2007 HIGHEST RN 956075-61-9

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=>
Uploading C:\Documents and Settings\PZucker\My Documents\Examination Auxillary files\10587395\10587395 narrowest clm 4.str



chain nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 23

chain bonds :

1-2 1-6 1-13 2-3 3-4 3-5 6-7 7-8 8-9 9-10 10-11 11-12 12-23 13-14
14-15 15-16 16-17 17-18

exact/norm bonds :

3-4 3-5

exact bonds :

1-2 1-6 1-13 2-3 6-7 7-8 8-9 9-10 10-11 11-12 12-23 13-14 14-15 15-16
16-17 17-18

G1:H,O

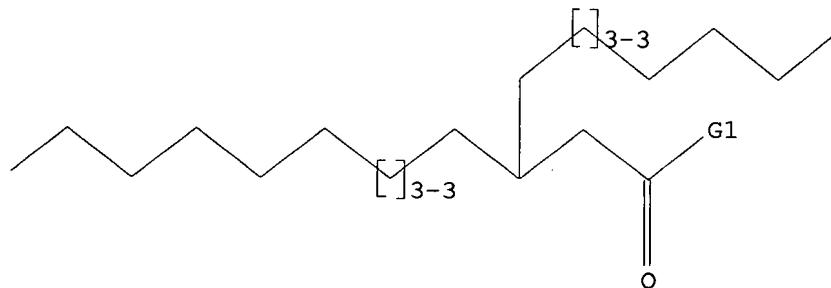
Hydrogen count :

1:>= minimum 1 2:>= minimum 2 6:>= minimum 2 7:>= minimum 2 8:>= minimum 2
9:>= minimum 2 10:>= minimum 2 11:>= minimum 2 12:>= minimum 2 13:>= minimum 2
14:>= minimum 2 15:>= minimum 2 16:>= minimum 2 17:>= minimum 2 18:>= minimum 3
23:>= minimum 3

Match level :

1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS
10:CLASS 11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS
18:CLASS 23:CLASS

```
=> d 16
L6 HAS NO ANSWERS
L6          STR
```



G1 H, O

Structure attributes must be viewed using STN Express query preparation.

```
=> search 16 subset=l4 sss full
L4 MAY NOT BE USED HERE
```

The L-number must have been created by a search in this file. To see all L-numbers defined in this session, enter DISPLAY HISTORY at an arrow prompt (=>). For additional information on subset searching in this file, enter HELP SUBSET.

```
ENTER SUBSET L# OR (END):end
SEARCH ENDED BY USER
```

```
=> d his
```

(FILE 'HOME' ENTERED AT 10:41:30 ON 28 NOV 2007)

FILE 'REGISTRY' ENTERED AT 10:41:39 ON 28 NOV 2007

```
L1          STRUCTURE uploaded
L2          0 SEARCH L1 SSS SAM
L3          10 SEARCH L1 SSS FULL
```

FILE 'CPLUS' ENTERED AT 10:50:46 ON 28 NOV 2007

```
L4          7 L3
L5          STRUCTURE uploaded
```

FILE 'REGISTRY' ENTERED AT 10:52:39 ON 28 NOV 2007

```
L6          STRUCTURE uploaded
```

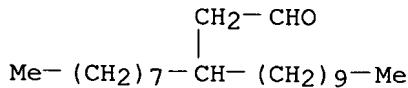
```
=> search 16 subset=l3 sss full
FULL SUBSET SEARCH INITIATED 10:54:06 FILE 'REGISTRY'
FULL SUBSET SCREEN SEARCH COMPLETED -      10 TO ITERATE
```

```
100.0% PROCESSED      10 ITERATIONS          7 ANSWERS
SEARCH TIME: 00.00.01
```

```
L7          7 SEA SUB=L3 SSS FUL L6
```

```
=> d scan
```

```
L7  7 ANSWERS  REGISTRY  COPYRIGHT 2007 ACS on STN
IN  Tridecanal, 3-octyl-
MF  C21 H42 O
```



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> file caplus			
COST IN U.S. DOLLARS		SINCE FILE	TOTAL
FULL ESTIMATED COST		ENTRY	SESSION
		44.70	221.25

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 FILE LAST UPDATED: 27 Nov 2007 (20071127/ED)

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=> dhis
 L8 23 DHIS

=> d his

(FILE 'HOME' ENTERED AT 10:41:30 ON 28 NOV 2007)

FILE 'REGISTRY' ENTERED AT 10:41:39 ON 28 NOV 2007

L1 STRUCTURE uploaded
 L2 0 SEARCH L1 SSS SAM
 L3 10 SEARCH L1 SSS FULL

FILE 'CAPLUS' ENTERED AT 10:50:46 ON 28 NOV 2007

L4 7 L3
 L5 STRUCTURE uploaded

FILE 'REGISTRY' ENTERED AT 10:52:39 ON 28 NOV 2007

L6 STRUCTURE uploaded
 L7 7 SEARCH L6 SSS FULL SUB=L3

FILE 'CAPLUS' ENTERED AT 10:58:10 ON 28 NOV 2007

L8 23 DHIS

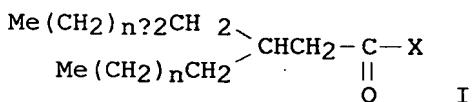
=> d 17 1-7 ti fbib abs

YOU HAVE REQUESTED DATA FROM FILE 'REGISTRY' - CONTINUE? (Y)/N:n

=> d 14 1-7 ti fbib abs

L4 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN
TI Preparation of carbonyl compounds containing long-chain branched alkyl group
AN 2005:902841 CAPLUS
DN 143:229451
TI Preparation of carbonyl compounds containing long-chain branched alkyl group
IN Sato, Haruhito; Kashiwamura, Takashi; Okamoto, Takuji; Yokota, Kiyohiko
PA Idemitsu Kosan Co., Ltd., Japan
SO PCT Int. Appl., 32 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2005077876	A1	20050825	WO 2005-JP1223	20050128
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1710225	A1	20061011	JP 2004-20493 EP 2005-709449	A 20040128 20050128
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS				
OS MARPAT 143:229451			JP 2004-20493 WO 2005-JP1223	A 20040128 W 20050128



AB Alkanal or fatty acid compds. containing a long-chain branched alkyl group represented by the following formula (I) ($X = H, HO$, alkoxy, or a group derived from a polyol; $n =$ an integer of 4 to 30) are prepared. These compds. have excellent low-temperature flowability, a high b.p., and excellent biodegradability and are useful as synthetic lubricating oils for engines, cosmetic base, and plastic modifiers. Thus, a solution of 8.0 g 2-octyl-1-bromodecane in dry THF was added dropwise to a suspension of 3 g Mg (activated by dibromoethane) in 30 mL dry THF and stirred for 2 h. The reaction mixture was ice-cooled, treated with 2.0 mL di-Me carbonate, and stirred overnight at room temperature (25°) and filtered, extracted with hexane, followed by removing the solvent from the hexane extract under

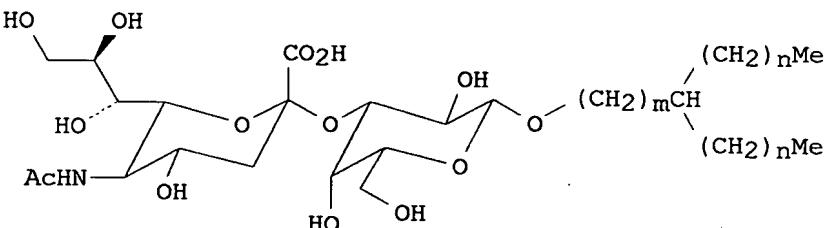
reduced pressure and distillation at 180-190° at 0.15 mmHg to give 5.0 g 3-octyltridecanoic acid Me ester (II). II (5.0 g) was added to a solution of 1.7 g KOH in 30 mL H₂O, stirred at 80° for 5 h, acidified with dilute HCl, extracted with Et₂O to give 4.2 g 3-octyltridecanoic acid (III). Both II and III did not loose flowability when they were cooled at -20°.

RE.CNT 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN
TI Radically-polymerizable branched monomer and high-contrast liquid crystal display therewith
AN 1999:78487 CAPLUS
DN 130:175420
TI Radically-polymerizable branched monomer and high-contrast liquid crystal display therewith
IN Hayashi, Masanao; Aisawa, Masao
PA Dainippon Ink and Chemicals, Inc., Japan
SO Jpn. Kokai Tokkyo Koho, 24 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 11029527	A	19990202	JP 1997-183693 JP 1997-183693	19970709 19970709
AB	The monomer is represented by [H ₂ C:CR ₄ CO ₂ R ₁ CR ₅ [(CH ₂) _p YR ₂](CH ₂) _q X]nR ₃ (R ₁ = CH ₂ , CH ₂ CH ₂ CO ₂ CH ₂ ; R ₂ , R ₃ = aliphatic, alicyclic, or aromatic group; R ₄ , R ₅ = H, Me; X = CH ₂ , ether or ester linkage; Y = ether or ester linkage; n = 2-4; p, q = 0, 1). Also claimed is a liquid crystal display including an optical modulation layer consisting of a liquid crystal material and a transparent macromol. which is prepared from a polymerizable composition containing the monomer.				

L4 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN
TI Synthetic studies on sialoglycoconjugates. 88. Synthesis of ganglioside GM3 and GM4 analogs containing 2- or 3-branched fatty-alkyl residues in place of ceramide
AN 1996:412610 CAPLUS
DN 125:168534
TI Synthetic studies on sialoglycoconjugates. 88. Synthesis of ganglioside GM3 and GM4 analogs containing 2- or 3-branched fatty-alkyl residues in place of ceramide
AU Hasegawa, Akira; Suzuki, Naomi; Ishida, Hideharu; Kiso, Makoto
CS Dep. Appl. Bioorg. Chem., Gifu Univ., Gifu, 501-11, Japan
SO Journal of Carbohydrate Chemistry (1996), 15(5), 623-637
CODEN: JCACDM; ISSN: 0732-8303
PB Dekker
DT Journal
LA English
GI



I

AB Ganglioside GM4 and GM3 analogs, e.g. I ($m = 1, n = 9, 13; m = 2, n = 8, 12$), containing 2- or 3-branched fatty alkyl residues in place of ceramide have been synthesized.

L4 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN
TI Hair cosmetic composition containing fatty acid esters and aromatic alcohol and cationic surfactants
AN 1994:226513 CAPLUS
DN 120:226513
TI Hair cosmetic composition containing fatty acid esters and aromatic alcohol and cationic surfactants
IN Ochiai, Ryuji; Morita, Kouzi; Yahagi, Kazuyuki
PA Kao Corp., Japan
SO PCT Int. Appl., 38 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9402111 W: US RW: DE, GB, NL	A1	19940203	WO 1993-JP980	19930714
				JP 1992-194122	A 19920721
				JP 1993-21456	A 19930209
	JP 06087724	A	19940329	JP 1993-21456	19930209
	JP 3229689	B2	20011119		
	EP 651632	A1	19950510	JP 1992-194122	A1 19920721
	EP 651632	B1	19971015	EP 1993-916166	19930714
	R: DE, GB, NL				
				JP 1992-194122	A 19920721
				JP 1993-21456	A 19930209
	US 5587155	A	19961224	WO 1993-JP980	W 19930714
				US 1995-367228	19950118
				JP 1992-194122	A 19920721
				JP 1993-21456	A 19930209
				WO 1993-JP980	W 19930714

OS MARPAT 120:226513
AB A hair cosmetic composition contains (a) ≥ 1 C12-40 fatty acids and esters thereof, (b) ≥ 1 aromatic alc. (Markush structure given), e.g. benzyl alc., and (c) ≥ 1 cationic surfactant. A hair treatment composition contained 2-dodecylhexadecyltrimethylammonium chloride 1.5, stearyltrimethylammonium chloride 2.0, cetostearyl alc. 3.0, oleic acid monoglyceride 1.0, benzyl alc. 5.0, liquid paraffin 3.0, hydroxyethyl cellulose 0.5, methylparaben 0.2, perfume 0.4, and water q.s. 100%.

L4 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN
TI Hair preparations containing glycol ethers, cationic surfactants, and fatty acids
AN 1993:87373 CAPLUS
DN 118:87373
TI Hair preparations containing glycol ethers, cationic surfactants, and fatty acids
IN Morita, Koji; Sugita, Junichi; Yahagi, Kazuyuki
PA Kao Corp., Japan
SO Jpn. Kokai Tokkyo Koho, 10 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 04230614	A	19920819	JP 1990-417663	19901228
	JP 3025537	B2	20000327	JP 1990-417663	19901228
AB	Hair preps., which show good hair-setting property and protect hair in brushing and shampooing, contain (A) alkyl polyalkylene glycol ethers, (B) cationic surfactants, and (C) C12-40 linear or branched alkyl or alkenyl-containing fatty acids (B/C = 10/1-1/10 by weight). Polyoxyethylene lauryl ether sulfate Na salt 20, lauric acid diethanolamide 3, diethylene glycol monopropyl ether 10, N-(2-decyl)tetradecyl-N,N,N-trimethylammonium chloride 0.5, eicosanic acid 5, and H2O to 100 weight% were mixed to give a shampoo.				
L4	ANSWER 6 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN				
TI	Hydrocarboxylation of single crosslinked α -olefins				
AN	1983:142971 CAPLUS				
DN	98:142971				
TI	Hydrocarboxylation of single crosslinked α -olefins				
IN	Hofmann, Peter				
PA	Chemische Werke Huels A.-G. , Fed. Rep. Ger.				
SO	Ger. Offen., 10 pp.				
	CODEN: GWXXBX				
DT	Patent				
LA	German				
FAN.CNT	1				
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 3121573	A1	19821216	DE 1981-3121573	19810530
	US 4460510	A	19840717	US 1982-376749	19820510
				DE 1981-3121573	A 19810530
	JP 57200325	A	19821208	JP 1982-90530	19820529
				DE 1981-3121573	A 19810530
OS	MARPAT 98:142971				
AB	Hydroformylation of alkenes of skeleton C: (C)aC[(C)bC]CcC (7 \leq a+b+c+4 \leq 40; a \neq b, a \neq c, a $<$ b) to esters was carried out. Thus, 1 mol BuCET:CH ₂ , 2 mol MeOH, 0.3 mol 10% Co laurate, and 0.3 mol γ -picoline were hydroformylated at 185° to give 90% conversion with 98% selectivity to C ₉ acid Me esters, containing 49.5 BuCHMeCH ₂ CH ₂ CO ₂ Me, 27 EtCHMe(CH ₂) ₄ CO ₂ Me, and 18.5% BuCHEtCH ₂ CO ₂ Me. Also hydroformylated were 2-hexyl-1-decene and 2-octyl-1-dodecane.				
L4	ANSWER 7 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN				
TI	New pathways in branched acids, isomers of normal saturated fatty acids				
AN	1978:6287 CAPLUS				
DN	88:6287				
OREF	88:1061a,1064a				
TI	New pathways in branched acids, isomers of normal saturated fatty acids				
AU	Ucciani, E.; Bensimon, Y.; Ranguis, P.				
CS	Lab. Chim. Org. Appl., Univ. Aix-Marseille III, Marseille, Fr.				
SO	Actes Congr. Mond. - Soc. Int. Etude Corps Gras, 13th (1976), Volume Sect. C, 43-50. Editor(s): Naudet, M.; Ucciani, M.; Uzzan, A. Publisher: ITERG, Paris, Fr.				
	CODEN: 36NUA6				
DT	Conference				
LA	French				
AB	Ion-exchange catalyzed condensation of aldehydes Me(CH ₂) _n CH ₂ CHO (n = 1-9) gave 55-88% Me(CH ₂) _n CH ₂ CH:C(CHO)(CH ₂) _n Me (I), which can be converted into α -, β -, or γ -branched acids via hydrogenation and oxidation, cyanation, or Wittig reactions. Thus, hydrogenation of I (n = 6) over Co ₂ (CO) ₈ and then catalytic oxidation gave 60% Me(CH ₂) ₈ CH(CO ₂ H)(CH ₂) ₆ Me.				

=> logoff hold			
COST IN U.S. DOLLARS	SINCE FILE	TOTAL	
	ENTRY	SESSION	
FULL ESTIMATED COST	23.70	244.95	
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL	
	ENTRY	SESSION	
CA SUBSCRIBER PRICE	-5.46	-5.46	

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	ENTRY	SESSION	
FULL ESTIMATED COST	23.70	244.95	
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	ENTRY	SESSION	
CA SUBSCRIBER PRICE	-5.46	-5.46	

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	ENTRY	SESSION	
FULL ESTIMATED COST	23.70	244.95	
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL	
	ENTRY	SESSION	
CA SUBSCRIBER PRICE	-5.46	-5.46	

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DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
CA SUBSCRIBER PRICE	ENTRY -5.46	SESSION -5.46
 => file casreact		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
FULL ESTIMATED COST	ENTRY 24.17	SESSION 245.42
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
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FILE CONTENT:1840 - 24 Nov 2007 VOL 147 ISS 23

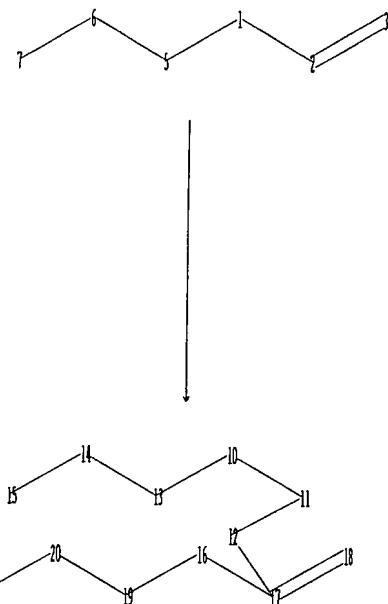
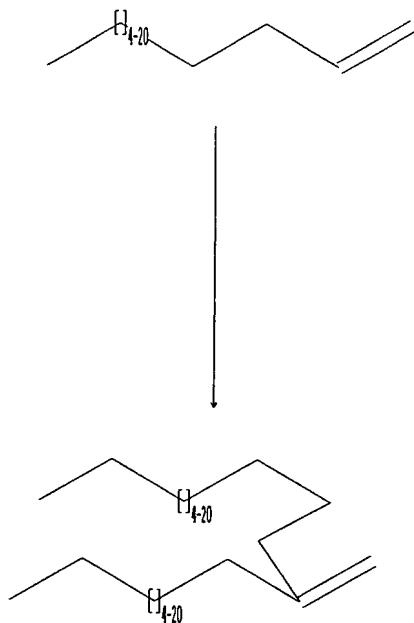
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This file contains CAS Registry Numbers for easy and accurate substance identification.

=>
 Uploading C:\Documents and Settings\PZucker\My Documents\Examination Auxillary files\10587395\10587395 claim 11 first step.str



chain nodes :

1 2 3 5 6 7 10 11 12 13 14 15 16 17 18 19 20 21

chain bonds :

1-2 1-5 2-3 5-6 6-7 10-11 10-13 11-12 12-17 13-14 14-15 16-17 16-19
17-18 19-20 20-21

exact bonds :

1-2 1-5 2-3 5-6 6-7 10-11 10-13 11-12 12-17 13-14 14-15 16-17 16-19
17-18 19-20 20-21

Hydrogen count :

1:>= minimum 2 2:>= minimum 1 3:>= minimum 2 5:>= minimum 2 6:>= minimum 2
7:>= minimum 3 10:>= minimum 2 11:>= minimum 2 12:>= minimum 2 13:>= minimum 2
14:>= minimum 2 15:>= minimum 3 16:>= minimum 2 18:>= minimum 2 19:>= minimum 2
20:>= minimum 2 21:>= minimum 3

Match level :

1:CLASS 2:CLASS 3:CLASS 5:CLASS 6:CLASS 7:CLASS 10:CLASS 11:CLASS 12:CLASS
13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS 19:CLASS 20:CLASS
21:CLASS

fragments assigned product role:

containing 10

fragments assigned reactant/reagent role:

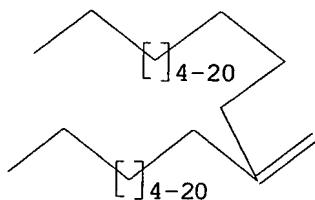
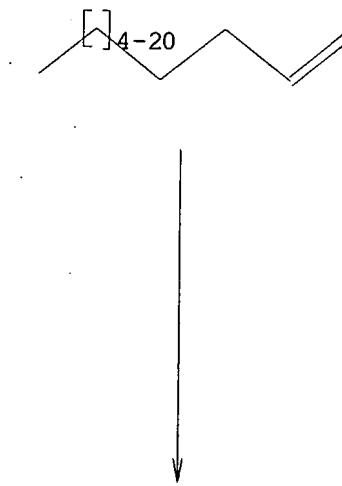
containing 1

L9 STRUCTURE UPLOADED

=> d 19

L9 HAS NO ANSWERS

L9 STR



Structure attributes must be viewed using STN Express query preparation.

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 SCREENING COMPLETE - 8790 REACTIONS TO VERIFY FROM 475 DOCUMENTS

56.9% DONE 5000 VERIFIED 0 HIT RXNS 0 DOCS
 INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
 SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
 BATCH **COMPLETE**
 PROJECTED VERIFICATIONS: 170210 TO 181390
 PROJECTED ANSWERS: 0 TO 0

L10 0 SEA SSS SAM L9 (0 REACTIONS)

=> search 19 sss full
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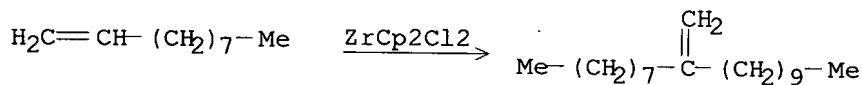
L11 3 SEA SSS FUL L9 (5 REACTIONS)

=> d scan

L11 3 ANSWERS CASREACT COPYRIGHT 2007 ACS on STN

TI Preparation of long chain branched alcohols by dimerization of α -alkenes, reaction with formaldehyde, and hydrogenation

RX(1) OF 5



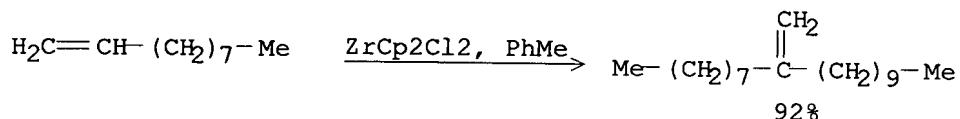
NOTE: methyl aluminoxane used as catalyst

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):3

L11 3 ANSWERS CASREACT COPYRIGHT 2007 ACS on STN

TI Synthesis of dialkyl-substituted terminal olefin

RX(2) OF 5

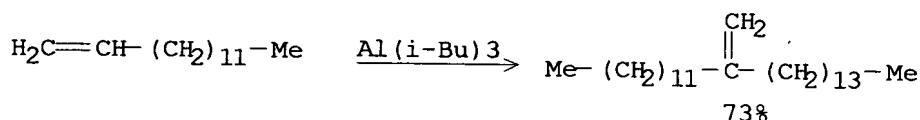


NOTE: MAO used as catalyst

L11 3 ANSWERS CASREACT COPYRIGHT 2007 ACS on STN

TI Branched higher alkylsilanes

RX(1) OF 3

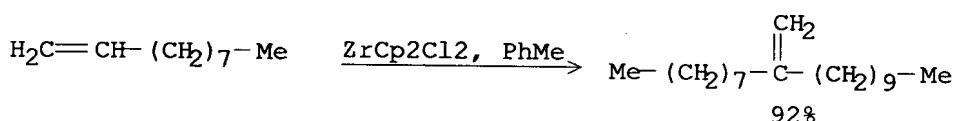


ALL ANSWERS HAVE BEEN SCANNED

=> d 111 1-3

L11 ANSWER 1 OF 3 CASREACT COPYRIGHT 2007 ACS on STN

RX(2) OF 5



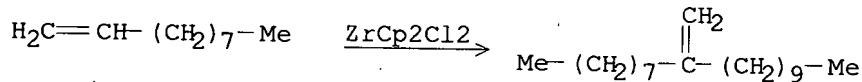
REF: Chinese Chemical Letters, 16(9), 1213-1216; 2005

NOTE: MAO used as catalyst

CON: 24 hours, 50 deg C

L11 ANSWER 2 OF 3 CASREACT COPYRIGHT 2007 ACS on STN

RX(1) OF 5



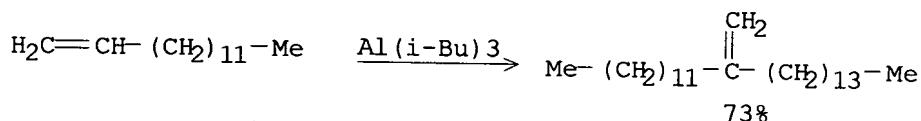
REF: Jpn. Kokai Tokkyo Koho, 2005298443, 27 Oct 2005

NOTE: methyl aluminoxane used as catalyst

CON: 48 hours, 20 deg C

L11 ANSWER 3 OF 3 CASREACT COPYRIGHT 2007 ACS on STN

RX(1) OF 3



REF: PCT Int. Appl., 9903864, 28 Jan 1999

=> file caplus

COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	123.48	368.90

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=> l11

L12 3 L11

=> d l12 1-3 ti fbib abs

L12 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN

TI Preparation of long chain branched alcohols by dimerization of α -alkenes, reaction with formaldehyde, and hydrogenation
 AN 2005:1146293 CAPLUS
 DN 143:405605
 TI Preparation of long chain branched alcohols by dimerization of α -alkenes, reaction with formaldehyde, and hydrogenation
 IN Kashimura, Takashi; Sato, Haruhito; Okamoto, Takuji; Yokota, Kiyohiko
 PA Idemitsu Kosan Co., Ltd., Japan
 SO Jpn. Kokai Tokkyo Koho, 13 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 2005298443	A	20051027	JP 2004-120261 JP 2004-120261	20040415 20040415

OS CASREACT 143:405605; MARPAT 143:405605
 AB Long chain branched alcs. of formula $Me(CH_2)_n+2CH_2CH(CH_2CH_2OH)CH_2(CH_2)_nMe$ (n = an integer of 4-30) are prepared by dimerization of α -alkenes of formula $Me(CH_2)_nCH_2CH:CH_2$ (n = same as above) using a metallocene catalyst and reaction (hydroformylation or hydroxymethylation) of the resulting vinylidene (β -alkyl- α -alkene) compds. of formula $Me(CH_2)_n+2CH_2C(:CH_2)CH_2(CH_2)_nMe$ with formaldehyde followed by hydrogenation. This process provides high-purity long chain branched alcs. with low alkane content and excellent low temperature fluidity which are useful as intermediates for surfactants of formula $Me(CH_2)_n+2CH_2CH[CH_2CH_2O(CH_2CH_2O)]_1HCH_2(CH_2)_n+2Me$ (n = same as above; 1 = an integer of 1-30). Chain branched alcs. are also useful as wetting agents, solubilizing agents, emulsifying agents, and lubricating oils. Thus, 3.0 kg 1-decene, 0.9 g biscyclopentadienylzirconium dichloride (metallocene complex), and 8 mmol methylaluminoxane were sequentially added to a 5 L flask, stirred at .apprx.20° for 48 h, quenched by adding methanol, and treated with aqueous HCl solution. The organic layer was separated and vacuum-distilled to give 2.5 kg 2-octyl-1-dodecene (I) (97% purity). I (561 g) and 64 g paraformaldehyde were added to an autoclave, heated at 250° for 1 h with stirring, cooled, washed with dilute H₂SO₄ and aqueous NaHCO₃ solution, dried over anhydrous MgSO₄, and vacuum-distilled to give unsatd. alc. which was hydrogenated over Pd/C, filtered, and vacuum-distilled to give 380 g 3-octyltridecanol (II). II (50 mL) and 1 M aqueous KOH solution were added to a 400 mL glass autoclave, purged with N₂, heated at 140° for dehydration, treated dropwise with ethylene oxide at 150°, and neutralized with AcOH, to give poly(ethylene glycol) 3-octyltridecyl ether (average 12 mols. of ethylene oxide adduct) (surfactant).

L12 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN
 TI Synthesis of dialkyl-substituted terminal olefin
 AN 2005:1069611 CAPLUS
 DN 144:6478
 TI Synthesis of dialkyl-substituted terminal olefin
 AU Ren, Shen Yong; Shen, Bao Jian; Guo, Qiao Xia
 CS State Key Laboratory of Heavy Oil Processing, The Key Laboratory of Catalysis of CNPC and Faculty of Chemical Science and Engineering, China University of Petroleum, Beijing, 102249, Peop. Rep. China
 SO Chinese Chemical Letters (2005), 16(9), 1213-1216
 CODEN: CCLEE7; ISSN: 1001-8417
 PB Chinese Chemical Society
 DT Journal
 LA English
 OS CASREACT 144:6478

AB Dialkyl-substituted terminal olefins were synthesized from the coupling reaction of α -olefins which was catalyzed by zirconocene dichloride/methylalumoxane (MAO) catalyst system under mild conditions. High yield was gained and no other oligomer was detected. The ratio of Al/Zr is responsible for the selectivity of product.

RE.CNT 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN

TI Branched higher alkylsilanes

AN 1999:77572 CAPLUS

DN 130:125216

TI Branched higher alkylsilanes

IN Arkles, Barry C.

PA Gelest, Inc., USA

SO PCT Int. Appl., 20 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9903864	A1	19990128	WO 1998-US14165	19980713
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			US 1997-892595	A 19970715
	US 5874603	A	19990223	US 1997-892595	19970715
	AU 9883877	A	19990210	AU 1998-83877	19980713
				US 1997-892595	A 19970715
				WO 1998-US14165	W 19980713
	DE 19882542	T0	20000713	DE 1998-19882542	19980713
				US 1997-892595	A 19970715
				WO 1998-US14165	W 19980713

OS CASREACT 130:125216

AB A branched alkylsilane includes a branched hydrocarbon backbone which has a linear or branched alkylsilyl moiety extending asym. from the backbone such that the backbone has a first portion and a second portion extending from the moiety. The second portion has two carbon atoms more than the first portion, and the alkylsilyl moiety includes at least one hydrolyzable group bound to silicon for reacting with a substrate. A method for preparing a branched alkylsilane useful for chromatog. applications includes the steps of preparing a vinylidene olefin by dimerization of an α -olefin and reacting it with a monomeric silane having a silicon-hydrogen bond in the presence of a metallic catalyst such that the silicon-hydrogen bond is added to the vinylidene double bond of the vinylidene olefin thereby converting the double bond to a single bond and bonding the silicon of the monomeric silane to the vinylidene olefin to form a branched alkylsilane. Thus, reaction of 1-tetradecene with triisobutylaluminum catalyst gave 2-dodecylhexadec-1-ene which on platinum-divinyltetramethylsiloxane catalyzed hydrosilylation with chlorodimethylsilane in PhMe gave 55% 13-(chlorodimethylsilylmethyl)heptacosane.

RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	9.43	378.33
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-2.34	-7.80

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FULL ESTIMATED COST	9.43	378.33
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-2.34	-7.80

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FULL ESTIMATED COST	10.37	379.27
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CA SUBSCRIBER PRICE	-2.34	-7.80

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STN INTERNATIONAL SESSION SUSPENDED AT 13:19:58 ON 28 NOV 2007

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LOGINID: SSSPTA1623PAZ

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS 4 JUL 02 CHEMCATS accession numbers revised
NEWS 5 JUL 02 CA/CAplus enhanced with utility model patents from China
NEWS 6 JUL 16 CAplus enhanced with French and German abstracts
NEWS 7 JUL 18 CA/CAplus patent coverage enhanced
NEWS 8 JUL 26 USPATFULL/USPAT2 enhanced with IPC reclassification
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NEWS 16 AUG 28 CAS REGISTRY enhanced with additional experimental spectral property data
NEWS 17 SEP 07 STN AnaVist, Version 2.0, now available with Derwent World Patents Index
NEWS 18 SEP 13 FORIS renamed to SOFIS
NEWS 19 SEP 13 INPADOCDB enhanced with monthly SDI frequency
NEWS 20 SEP 17 CA/CAplus enhanced with printed CA page images from 1967-1998
NEWS 21 SEP 17 CAplus coverage extended to include traditional medicine patents
NEWS 22 SEP 24 EMBASE, EMBAL, and LEMBASE reloaded with enhancements
NEWS 23 OCT 02 CA/CAplus enhanced with pre-1907 records from Chemisches Zentralblatt
NEWS 24 OCT 19 BEILSTEIN updated with new compounds
NEWS 25 NOV 15 Derwent Indian patent publication number format enhanced
NEWS 26 NOV 19 WPIX enhanced with XML display format

NEWS EXPRESS 19 SEPTEMBER 2007: CURRENT WINDOWS VERSION IS V8.2, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 19 SEPTEMBER 2007.

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=> file reg
COST IN U.S. DOLLARS

FULL ESTIMATED COST

SINCE FILE ENTRY	TOTAL SESSION
0.21	0.21

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DICTIONARY FILE UPDATES: 28 NOV 2007 HIGHEST RN 956214-95-2

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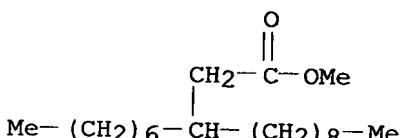
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<http://www.cas.org/support/stngen/stndoc/properties.html>

=> e Dodecanoic acid, 3-heptyl-, methyl ester/cn
E1 1 DODECANOIC ACID, 3-FORMYL-4-NITROPHENYL ESTER/CN
E2 1 DODECANOIC ACID, 3-FURANYLMETHYL ESTER/CN
E3 1 --> DODECANOIC ACID, 3-HEPTYL-, METHYL ESTER/CN
E4 1 DODECANOIC ACID, 3-HEPTYL-3-HYDROXY-/CN
E5 1 DODECANOIC ACID, 3-HEXYL-, ETHYL ESTER/CN
E6 1 DODECANOIC ACID, 3-HEXYL-2,2-DIMETHYL-/CN
E7 1 DODECANOIC ACID, 3-HEXYL-3-HYDROXY-/CN
E8 1 DODECANOIC ACID, 3-HYDROXY-/CN
E9 1 DODECANOIC ACID, 3-HYDROXY-, (1R,1''R)-4',6'-DIMETHYL-2,2''-BIS(1-METHYLETHYL)(1,1':3',1''-TERPHENYL)-2'-YL ESTER, (3S)-/CN
E10 1 DODECANOIC ACID, 3-HYDROXY-, (3R)-/CN
E11 1 DODECANOIC ACID, 3-HYDROXY-, (3R)-, HOMOPOLYMER, ISOTACTIC/CN
E12 2 DODECANOIC ACID, 3-HYDROXY-, (3R)-, POLYMER CONTG./CN
=> e3
L1 1 "DODECANOIC ACID, 3-HEPTYL-, METHYL ESTER"/CN
=> d 11

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2007 ACS on STN
RN 64935-47-3 REGISTRY
ED Entered STN: 16 Nov 1984
CN Dodecanoic acid, 3-heptyl-, methyl ester (9CI) (CA INDEX NAME)
MF C20 H40 O2
LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus			
COST IN U.S. DOLLARS		SINCE FILE	TOTAL
FULL ESTIMATED COST		ENTRY	SESSION
		7.35	7.56

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FILE COVERS 1907 - 29 Nov 2007 VOL 147 ISS 23
FILE LAST UPDATED: 28 Nov 2007 (20071128/ED)

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=> 11
L2 1 L1

=> d 12

L2 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1978:6287 CAPLUS
DN 88:6287
OREF 88:1061a,1064a
TI New pathways in branched acids, isomers of normal saturated fatty acids
AU Ucciani, E.; Bensimon, Y.; Ranguis, P.
CS Lab. Chim. Org. Appl., Univ. Aix-Marseille III, Marseille, Fr.
SO Actes Congr. Mond. - Soc. Int. Etude Corps Gras, 13th (1976), Volume Sect. C, 43-50. Editor(s): Naudet, M.; Ucciani, M.; Uzzan, A. Publisher: ITERG, Paris, Fr.
CODEN: 36NUA6
DT Conference
LA French

=> d 12 ti fbib abs

L2 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN
TI New pathways in branched acids, isomers of normal saturated fatty acids
AN 1978:6287 CAPLUS
DN 88:6287
OREF 88:1061a,1064a
TI New pathways in branched acids, isomers of normal saturated fatty acids
AU Ucciani, E.; Bensimon, Y.; Ranguis, P.
CS Lab. Chim. Org. Appl., Univ. Aix-Marseille III, Marseille, Fr.

SO Actes Congr. Mond. - Soc. Int. Etude Corps Gras, 13th (1976), Volume Sect. C, 43-50. Editor(s): Naudet, M.; Ucciani, M.; Uzzan, A. Publisher: ITERG, Paris, Fr.
 CODEN: 36NUA6
 DT Conference
 LA French
 AB Ion-exchange catalyzed condensation of aldehydes $\text{Me}(\text{CH}_2)_n\text{CH}_2\text{CHO}$ ($n = 1-9$) gave 55-88% $\text{Me}(\text{CH}_2)_n\text{CH}_2\text{CH:C(CHO)(CH}_2)_n\text{Me}$ (I), which can be converted into α -, β -, or γ -branched acids via hydrogenation and oxidation, cyanation, or Wittig reactions. Thus, hydrogenation of I ($n = 6$) over $\text{Co}_2(\text{CO})_8$ and then catalytic oxidation gave 60% $\text{Me}(\text{CH}_2)_8\text{CH}(\text{CO}_2\text{H})(\text{CH}_2)_6\text{Me}$.

=> file reg

COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
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FULL ESTIMATED COST

4.95 12.51

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

	SINCE FILE ENTRY	TOTAL SESSION
--	------------------	---------------

CA SUBSCRIBER PRICE

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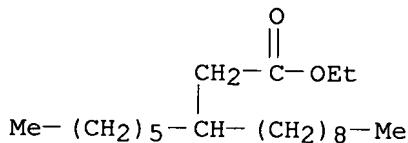
<http://www.cas.org/support/stngen/stndoc/properties.html>

=> e5

L3 1 "DODECANOIC ACID, 3-HEXYL-, ETHYL ESTER"/CN

=> d 13

L3 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2007 ACS on STN
 RN 25451-24-5 REGISTRY
 ED Entered STN: 16 Nov 1984
 CN Dodecanoic acid, 3-hexyl-, ethyl ester (8CI) (CA INDEX NAME)
 MF C20 H40 O2
 LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus			
COST IN U.S. DOLLARS	SINCE FILE	TOTAL	
FULL ESTIMATED COST	ENTRY	SESSION	
	7.35	19.86	
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL	
CA SUBSCRIBER PRICE	ENTRY	SESSION	
	0.00	-0.78	

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=> 13
 L4 1 L3

=> d 14

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 1969:523600 CAPLUS
 DN 71:123600
 TI Aliphatic esters
 IN Wood, John; Forbes, Alan D.
 PA British Petroleum Co. Ltd.
 SO S. African, 11 pp.
 CODEN: SFXXAB
 DT Patent
 LA Russian

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI ZA 6805204		19690120	ZA	
DE 1793209			DE	
FR 1576240			FR	
GB 1239394			GB	
PRAI GB		19670817		

=> logoff hol;d

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	1.65	21.51
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-0.78

SESSION WILL BE HELD FOR 120 MINUTES
 STN INTERNATIONAL SESSION SUSPENDED AT 05:27:28 ON 29 NOV 2007

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:
 BVC77SSW
 COMMAND TERMINATED (SYSTEM ERROR)
 Connection closed by remote host

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:
 * * * * * RECONNECTED TO STN INTERNATIONAL * * * * *
 SESSION RESUMED IN FILE 'CAPLUS' AT 05:31:40 ON 29 NOV 2007
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FULL ESTIMATED COST	1.65	21.51
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-0.78

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
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FULL ESTIMATED COST	1.65	21.51
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
CA SUBSCRIBER PRICE	ENTRY	SESSION
	0.00	-0.78

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 experimental property data in the original document. For information
 on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

```
=> e Nonadecanoic acid, 3-undecyl-/cn
E1      1  NONADECANOIC ACID, 3-OXO-, METHYL ESTER/CN
E2      1  NONADECANOIC ACID, 3-OXO-1-CYCLOHEXEN-1-YL ESTER/CN
E3      1 --> NONADECANOIC ACID, 3-UNDECYL-/CN
E4      1  NONADECANOIC ACID, 3-UNDECYL-, (±)-/CN
E5      1  NONADECANOIC ACID, 4'-(2-CHLORO-3-METHYL-1-OXOPENTYL)OXY) (1
      ,1'-BIPHENYL)-4-YL ESTER/CN
E6      1  NONADECANOIC ACID, 4'-(2-CHLORO-4-METHYL-1-OXOPENTYL)OXY) (1
      ,1'-BIPHENYL)-4-YL ESTER/CN
E7      1  NONADECANOIC ACID, 4'-(3-METHYL-1-OXOPENTYL)OXY) (1,1'-BIPHE
      NYL)-4-YL ESTER/CN
E8      1  NONADECANOIC ACID, 4'-(2-CHLORO-3-METHYL-1-OXOBUTOXY) (1,1'-B
      IPHENYL)-4-YL ESTER/CN
E9      1  NONADECANOIC ACID, 4'-(2-METHYL-1-OXOBUTOXY) (1,1'-BIPHENYL)-
      4-YL ESTER/CN
E10     1  NONADECANOIC ACID, 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-HE
      PTADECAFLUOROUNDECYL ESTER/CN
E11     1  NONADECANOIC ACID, 4,6-BIS(ACETYLOXY)-3-(((1,1-DIMETHYLETHOX
      Y)CARBONYL)AMINO)-/CN
E12     1  NONADECANOIC ACID, 4,6-DIMETHYL-/CN
```

```
=> e3
L5      1 "NONADECANOIC ACID, 3-UNDECYL-"/CN
```

```
=> d 5
1 ANSWERS ARE AVAILABLE.  SPECIFIED ANSWER NUMBER EXCEEDS ANSWER SET SIZE
The answer numbers requested are not in the answer set.
ENTER ANSWER NUMBER OR RANGE (1):end
```

```
=> d 15
```

```
L5  ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2007 ACS on STN
```